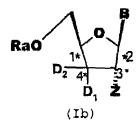
The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended): A method for the treatment or prevention of an hepatitis C infection in a host comprising administering to said host a therapeutically effective amount of a compound having the formula Ib or a pharmaceutically acceptable salt thereof:



wherein

B is a nucleotide purine radical, a nucleotide pyrimidine radical or an analogue of a nucleotide purine radical or a nucleotide pyrimidine radical, wherein said analogue is derived by replacement of a CH moiety by a nitrogen atom in a nucleotide purine or pyrimidine radical, replacement of a nitrogen atom by a CH moiety in a nucleotide purine or pyrimidine radical, or both; or derived by removal of ring substituents of said nucleotide purine radical or pyrimidine radical; or combinations thereof; and said analogue is optionally substituted by halogen, hydroxyl, amino, or C₁₋₆ alkyl;

Ra is H.

monophosphate, diphosphate, triphosphate, carbonyl which is substituted by a straight, branched or cyclic alkyl having up to 6 C atoms wherein the alkyl is unsubstituted or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ,

C2-6 alkenyl which is unsubstituted or substituted by halogen, nitro, CONH2,

COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C_{2-6} alkynyl which is unsubstituted or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C_{6-10} aryl which is unsubstituted or mono- or di-substituted with OH, SH, amino, halogen or C_{1-6} alkyl, or

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Rc is, in each case independently, H, straight chain, branched chain or cyclic C₁₋₆ alkyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₂₋₆ alkenyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₂₋₆ alkynyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₆₋₁₀ aryl which is unsubstituted or monoor di-substituted with OH, SH, amino, halogen or C₁₋₆ alkyl, or a hydroxy protecting group;

Q is C_{1-6} alkyl, C_{2-6} alkenyl, or C_{2-6} alkynyl;

2 is ORb;

Rb is H, straight chain, branched chain or cyclic C₁₋₆ alkyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₂₋₆ alkenyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₂₋₆ alkynyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₁₋₆ acyl, or a hydroxy protecting group;

substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, =CH₂, or =CF₂;

with the provise that when B is adenine, Z is ORb, D_1 is H, D_2 is H and Rb is H, Ra is not triphosphate or H.

- 2. (Currently Amended): A method according to claim 1 19, wherein Z is OH.
- 3. (Previously Presented): A method according to claim 2 wherein D_1 is H and D_2 is F.
- 4. (Previously Presented): A method according to claim 2, wherein Ra is H, monophosphate, diphosphate, or triphosphate.
 - 5. (Previously Presented): A method according to claim 2 wherein Ra is triphosphate.
 - 6. (Previously Presented): A method according to claim 2 wherein Ra is H.
- 7. (Previously Presented): A method according to claim 3, wherein Ra is H, monophosphate, diphosphate, or triphosphate.
 - 8. (Previously Presented): A method according to claim 3 wherein Ra is triphosphate.
 - 9. (Previously Presented): A method according to claim 3 wherein Ra is H.
- 10. (Previously Presented): A method according to claim 2, wherein B is adenin-9-yl, guanin-9-yl, inosin-9-yl, 2-amino-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 2-6-diamino-purin-9-yl, thymin-1-yl, cytosin-1-yl, uracil-1-yl, 3-carboxamido-1,2,4-triazol-1-yl, 3-deaza-adenin-9-yl, 3-deaza-guanin-9-yl, 3-deaza-inosin-9-yl, 3-deaza-2-amino-purin-9-yl, 7-deaza-adenin-9-yl, 7-deaza-adenin-9-

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deaza-guanin-9-yl, 7-deaza-mosin-9-yl, 7-deaza-2-amino-purin-9-yl, 7-deaza-2-amino-6-chloro-purin-9-yl, 7-deaza-8-aza-adenin-9-yl, 7-deaza-8-aza-guanin-9-yl, 7-deaza-8-aza-inosin-9-yl, 7-deaza-8-aza-2-amino-purin-9-yl, 7-deaza-8-aza-2-amino-purin-9-yl, 8-aza-adenin-9-yl, 8-aza-adenin-9-yl, 8-aza-adenin-9-yl, 8-aza-adenin-9-yl, 8-aza-2-amino-purin-9-yl, 8-aza-2-amino-6-chloro-purin-9-yl, 8-aza-2-amino-purin-9-yl, 8-aza-2-amino-purin-9-yl, 8-aza-2-amino-burin-9-yl, 8-aza-2-amino-purin-9-yl, 6-aza-uracil-1-yl, 6-aza-uracil-1-yl, 6-aza-cytosin-1-yl, 6-aza-cytosin-1-yl, 6-aza-cytosin-1-yl, or 6-aza-uracil-1-yl;

which in each case is unsubstituted or substituted by at least one of NHR₃, C_{1-6} alkyl, - OC_{1-6} alkyl, Br, Cl, F, I or OH, wherein R₃ is H, C_{1-6} alkyl or C_{1-6} acyl.

11. (Previously Presented): A method according to claim 3, wherein B is adenin-9-yl, guanin-9-yl, inosin-9-yl, 2-amino-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 3-deaza-adenin-9-yl, 3-deaza-2-amino-purin-9-yl, 3-deaza-2-amino-purin-9-yl, 3-deaza-2-amino-purin-9-yl, 7-deaza-adenin-9-yl, 7-deaza-adenin-9-yl, 7-deaza-adenin-9-yl, 7-deaza-2-amino-purin-9-yl, 7-deaza-2-amino-6-chloro-purin-9-yl, 7-deaza-2-amino-purin-9-yl, 7-deaza-8-aza-guanin-9-yl, 7-deaza-8-aza-inosin-9-yl, 7-deaza-8-aza-2-amino-purin-9-yl, 7-deaza-8-aza-2-amino-purin-9-yl, 8-aza-2-amino-6-chloro-purin-9-yl, 8-aza-2-amino-purin-9-yl, 8-aza-2-amino-6-chloro-purin-9-yl, 8-aza-2-amino-purin-9-yl, 8-aza-2-amino-6-chloro-purin-9-yl, 8-aza-2-amino-6-chloro-purin-9-yl,

which in each case is unsubstituted or substituted by at least one of NHR₃, C_{1-6} alkyl, - OC_{1-6} alkyl, Br, Cl, F, I or OH, wherein R₃ is H, C_{1-6} alkyl or C_{1-6} acyl.

- 12. (Previously Presented): A method according to claim 2, wherein B is adenin-9-yl, guanin-9-yl, inosin-9-yl, 2-amino-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 2-6-diamino-purin-9-yl, thymin-1-yl, cytosin-1-yl, 5-fluoro-cytosin-1-yl, uracil-1-yl, 5-fluoro-cytosin-1-yl, triazole-3-carboxamide base.
 - 13. (Previously Presented): A method according to claim 3, wherein B is adenin-9-

yl, guanin-9-yl, mosin-9-yl, 2-amino-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 2-6-diamino-purin-9-yl, thymin-1-yl, cytosin-1-yl, 5-fluoro-cytosin-1-yl, uracil-1-yl, 5-fluorouracil or 1,2,4-miazole-3-carboxamide base.

- 14. (Previously Presented): A method according to claim 1, wherein the compound is:
 - 3'-fluoro-3'-deoxyguanosine or a pharmaceutically acceptable salt thereof;
- 3'-fluoro-3'-deoxyguanosine -5'triphosphate or a pharmaceutically acceptable salt thereof;
 - 3'-fluoro 3'-deoxycytidine or a pharmaceutically acceptable salt thereof;
 - 3'-fluoro 3'-deoxycytidine-5'triphosphate or a pharmaceutically acceptable salt thereof;
 - 3'-spirocyclopropyl-3'-deoxyguanosine or a pharmaceutically acceptable salt thereof;
- 3'-spirocyclopropyl-3'-deoxyguanosine -5'triphosphate or a pharmaceutically acceptable salt thereof;
- 3'-difluoro-spirocyclopropyl-3'-deoxyguanosine or a pharmaceutically acceptable salt thereof;
- 3'-difluoro-spirocyclopropyl-3'-deoxyguanosine -5'triphosphate or a pharmaceutically acceptable salt thereof;
 - 3'-methylene-3'-deoxyguanosine or a pharmaceutically acceptable salt thereof;
- 3'-methylene-3'-deoxyguanosine -5'triphosphate or a pharmaceutically acceptable salt thereof:
 - 3'-difluromethylene 3'-deoxyguanosine or a pharmaceutically acceptable salt thereof;
- 3'-difluromethylene 3'-deoxyguanosine -5'triphosphate or a pharmaceutically acceptable salt thereof;
 - 3'-spirocyclopropyl-3'-deoxycytidine or a pharmaceutically acceptable salt thereof;
- 3'-spirocyclopropyl-3'- deoxycytidine -5'triphosphate or a pharmaceutically acceptable salt thereof;
- 3'-difluoro-spirocyclopropyl-3'- deoxycytidine or a pharmaceutically acceptable salt thereof;
 - 3'- difluoro-spirocyclopropyl-3'- deoxycytidine -5'triphosphate or a pharmaceutically

acceptable salt thereof;

- 3'-methylene-3'- deoxycytidine or a pharmaceutically acceptable salt thereof;
- 3'-methylene-3'- deoxycytidine -5'triphosphate or a pharmaceutically acceptable salt thereof;
 - 3'-difluromethylene 3'- deoxycytidine or a pharmaceutically acceptable salt thereof;
- 3'-difluromethylene 3'- deoxycytidine -5'triphosphate or a pharmaceutically acceptable salt thereof;
 - 3'-azido-3'- deoxycyndine or a pharmaceutically acceptable salt thereof; or
 - 3'-azido-3'- deoxycytidine 5'triphosphate or a pharmaceutically acceptable salt thereof.
- 15. (Currently Amended): A method according to claim $\underline{1}$ $\underline{19}$, further comprising administering at least one further therapeutic agent chosen from interferon, interferon α -2a, interferon α -2b, consensus interferon, ribavirin, amantadine, rimantadine, interleukine-12, ursodeoxycholic acid, glycyrrhizin and silybum marianum.
- 16. (Previously Presented): A method according to claim 2, further comprising administering at least one further therapeutic agent chosen from interferon, interferon α -2a, interferon α -2b, consensus interferon, ribavirin, amantadine, rimantadine, interleukine-12, ursodeoxycholic acid, glycyrrhizin and silybum marianum.
- 17. (Previously Presented): A method according to claim 3, further comprising administering at least one further therapeutic agent chosen from interferon, interferon α -2a, interferon α -2b, consensus interferon, ribavirin, amantadine, rimantadine, interleukine-12, ursodeoxycholic acid, glycyrrhizin and silybum marianum.
- 18. (Previously Presented): A method according to claim 14, further comprising administering at least one further therapeutic agent chosen from interferon, interferon α -2a, interferon α -2b, consensus interferon, ribavirin, amantadine, rimantadine, interleukine-12, ursodeoxycholic acid, glycyrthizin and silybum marianum.

- 19. (Cancelled):
- (Currently Amended): A method according to claim 1 19, wherein
 Ra is H, monophosphate, diphosphate, triphosphate, carbonyl substituted by C₁₋₆ alkyl,
 C₂₋₆ alkenyl, C₂₋₆ alkynyl, or C₆₋₁₀ aryl or

Rc is, in each case independently, H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C $_{6-10}$ aryl or a hydroxy protecting group selected from acetyl-2-throethyl ester, pivaloyloxymethyl ester and isopropyloxycarbonyloxymethyl ester; and

Rb is H, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} acyl, or a hydroxy protecting group selected from acetyl-2-thioethyl ester, pivaloyloxymethyl ester and isopropyloxycarbonyloxymethyl ester.

- 21. (Currently Amended): A method according to claim <u>1</u> 49, wherein B is adeningly, guanin-9-yl, inosin-9-yl, 2-amino-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 2-6-diamino-purin-9-yl, thymin-1-yl, cytosin-1-yl, uracil-1-yl, or 3-carboxamido-1,2,4-triazol-1-yl, which in each case is unsubstituted or substituted by at least one of NHR₃, C₁₋₆alkyl, -OC₁₋₆alkyl, Br, Cl, F, I or OH, wherein R₃ is H, C₁₋₆alkyl or C₁₋₆acyl.
- 22. (Currently Amended): A method according to claim 1 49, wherein B is adenin-9-yl, guanin-9-yl, 2-amino-purin-9-yl, 2-amino-6-chloro-purin-9-yl, 2-6-diamino-purin-9-yl, thymin-1-yl, cytosin-1-yl, uracil-1-yl, which in each case is unsubstituted or substituted by at least one of NHR₃, C₁₋₆alkyl, -OC₁₋₆alkyl, Br, Cl, F, I or OH, wherein R₃ is H, C₁₋₆alkyl or C₁₋₆acyl.
- 23. (Currently Amended): A method according to claim 1 49, wherein B is guanin-9-yl, cytosin-1-yl, uracil-1-yl, which in each case is unsubstituted or substituted by at least one of NHR₃, C₁₋₆alkyl, -OC₁₋₆alkyl, Br, Cl, F, I or OH, wherein R₃ is H, C₁₋₆alkyl or C₁₋₆acyl.

- (Currently Amended): A method according to claim 1 19, wherein B is guanin-24. 9-yl, cytosin-1-yl, 5'-fluoro-cytosin-1-yl, 5'-fluorouracil -1-yl or uracil-1-yl.
 - (Currently Amended): A method according to claim 1 19, wherein B is 25.

wherein

X is H, halogen or NHR10;

 R_{10} is H, C_{1-6} acyl, C_{1-6} alkyl, C_{2-6} alkenyl, or C_{2-6} alkynyl;

Y is H, halogen or NHR11;

 R_{11} is H, $C_{1\text{-6}}$ acyl, $C_{1\text{-6}}$ alkyl, $C_{2\text{-6}}$ alkenyl, or $C_{2\text{-6}}$ alkynyl;

Y2 is H, halogen or NHR12;

 R_{12} is H, C_{1-6} acyl, C_{1-6} alkyl, C_{2-6} alkenyl, or C_{2-6} alkynyl;

 R_9 is H, hydroxy protecting group, C_{1-6} acyl, C_{1-6} alkyl, C_{2-6} alkenyl, or C_{2-6} alkynyl;

Y₃ is H, halogen or NHR₁₃;

 R_{13} is H, C_{1-6} acyl, C_{1-6} alkyl, C_{2-6} alkenyl, or C_{2-6} alkynyl;

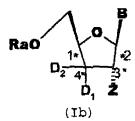
R₇ is H, halogen, C₁₋₆acyl, C₁₋₆ alkyl, C₂₋₆ alkenyl, or C₂₋₆ alkynyl; and

 R_8 is H, halogen, C_{1-6} acyl, C_{1-6} alkyl, C_{2-6} alkenyl, or C_{2-6} alkynyl.

- 26. (Previously Presented): A method according to claim 25, wherein X is H, F, or NHR₁₀, R₁₀ is H, Y is H, F, or NHR₁₁, R₁₁ is H, Y₂ is H, F, or NHR₁₂, R₁₂ is H, R₉ is H, Y₃ is H, F, or NHR₁₃, R₁₃ is H, R₇ is H, F, or C₁₋₆ alkyl, and R₈ is H, F, or C₁₋₆ alkyl.
- 27. (Currently Amended): A method according to claim <u>1</u> 49, wherein Z is F or ORb, and Rb is H or methyl.
- 28. (Currently Amended): A method according to claim $\underline{1}$ $\underline{1}$ $\underline{49}$, wherein D_1 and D_2 are N_3 , F, or H in which D_1 and D_2 are not both H, or D_1 and D_2 together form cyclopropyl, difluorocyclopropyl $-CH_2$, or $-CF_2$.
- 29. (Currently Amended): A method according to claim 1 49, wherein said compound is administered in an amount of 0.01 to about 750 mg/kg of body weight per day.
- 30. (Currently Amended): A method according to claim <u>1</u> 19, wherein said compound is administered in unit dosages containing 10 to 1500 mg of said compound per unit dosage.
- 31. (Previously Presented): A method according to claim 15, wherein said compound and said further therapeutic agent are each administered as a formulation which further contains a pharmaceutically acceptable carrier.
- 32. (Previously Presented): A method according to claim 31, wherein said compound and said further therapeutic agent are sequentially administered, in separate or combined pharmaceutical formulations.
- 33. (Previously Presented): A method according to claim 31, wherein said compound and said further therapeutic agent are simultaneously administered, in separate or combined pharmaceutical formulations.
 - 34. (Previously Presented): A method according to claim 1, wherein said host is a

human.

- 35. (Currently Amended): A method according to claim <u>1</u> 19, wherein said host is a human.
- 36. (Previously Presented): A method according to claim 2, wherein said host is a human.
- 37. (Previously Presented): A method according to claim 3, wherein said host is a human.
- 38. (Previously Presented): A method according to claim 14, wherein said host is a human.
- 39. (Currently Amended): A method for the treatment or prevention of an hepatitis C infection in a host comprising administering a therapeutically effective amount of a compound having the formula Ib or a pharmaceutically acceptable salt thereof:



wherein

B is a nucleotide purine radical, a nucleotide pyrimidine radical or an analogue of a nucleotide purine radical or a nucleotide pyrimidine radical, wherein said analogue is derived by replacement of a CH moiety by a nitrogen atom in a nucleotide purine or pyrimidine radical, replacement of a nitrogen atom by a CH moiety in a nucleotide purine or pyrimidine radical, or both; or derived by removal of ring substituents of said nucleotide purine radical or pyrimidne

radical; or combinations thereof; and said analogue is optionally substituted by halogen, hydroxyl, amino, or C_{1-6} alkyl;

Ra is H.

monophosphate, diphosphate, triphosphate,

carbonyl which is substituted by a straight, branched or cyclic alkyl having up to 6 C atoms wherein the alkyl is unsubstituted or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOO.

 C_{2-6} alkenyl which is unsubstituted or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₂₋₆ alkynyl which is unsubstituted or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₆₋₁₀ aryl which is unsubstituted or mono- or di-substituted with OH, SH, amino, halogen or C₁₋₆ alkyl, or

Rc is, in each case independently, H, straight chain, branched chain or cyclic C₁₋₆ alkyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₂₋₆ alkenyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₂₋₆ alkynyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C₆₋₁₀ aryl which is unsubstituted or monoor di-substituted with OH, SH, amino, halogen or C₁₋₆ alkyl, or a hydroxy protecting group;

and

Q is C_{1-6} alkyl, C_{2-6} alkenyl, or C_{2-6} alkynyl;

Z is ORb;

Rb is H, straight chain, branched chain or cyclic C1-6 alkyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH2, COOH, O-C1-6 alkyl, O- C_{2-6} alkenyl, O- C_{2-6} alkynyl, hydroxyl, amino, or COOQ, C_{2-6} alkenyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH2, COOH, O-C1-6 alkyl, O-C2-6 alkenyl, O-C2-6 alkynyl, hydroxyl, amino, or COOQ, C2-6 alkynyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH₂, COOH, O-C₁₋₆ alkyl, O-C₂₋₆ alkenyl, O-C₂₋₆ alkynyl, hydroxyl, amino, or COOQ, C 1-6 acyl, or a hydroxy protecting group;

 D_1 and D_2 are each independently N_3 , F, or H, wherein D_1 and D_2 are not both H; or D_1 and D_2 together form $\underline{=CH_2, -\underline{=CF_2, or}}$ C_3 -cycloalkyl which is unsubstituted or substituted by or substituted by halogen, nitro, CONH2, COOH, O-C1-6 alkyl, O- C_{2-6} alkenyl, O- C_{2-6} alkynyl, hydroxyl, amino, or COOQ, — CH_2 , or — CF_2 ; with the provisos that:

when B is adenine, Z is ORb, D₁ is H, D₂ is H and Rb is H, Ra is not triphosphate or H,

said method does not include administration of an interferon.

(Previously Presented): A method according to claim 39, wherein said host is a 40. human.